



Dated: 14.02.2025

File No: DTU/Engg. Cell/003446/2022/Civil

NOTICE INVITING QUOTATION

The Chief Project Officer, Engineering Cell, DTU invites, on behalf of Delhi Technological University, sealed percentage rate quotations from Contractors up to 03.00 PM on 19.02.2025 for the following works, which shall be opened at 03:30 PM on the same day. Schedule of work along with terms and conditions can be obtained from office of the Chief Project Officer/DTU or DTU website on all working days by submitting an application along with a copy of G.S.T. No. or PAN Card up to 02:00 PM on 19.02.2025.

S. No.	Name of Work	Estimated Cost (Rs.)	Time Allowed	Last date of Receipt of Quotation
1.	Consultancy Services, conditional assessment and suggesting remedial measures for existing building structure at DTU East Delhi campus.	4,70,171/-	As per schedule attached	19.02.2025

TERMS & CONDITIONS: -

1. The work shall be executed as per specification and direction of Engineer-in-Charge.
2. Contractor should coordinate with staff of DTU during the execution of work and execute work as per convenient of DTU staff.
3. Penalty will be imposed if contractors will fail to complete the project within given payment delivery schedule. Penalty will be decided by the Engineer-In-Charge.
4. Consultant Architect should submit the drawing of each layout on A-1 sheet and 03 sets of each drawing showing all types of the structural plan.
5. Contractor should submit all drawings in cadd format as well as pdf format in pen drives and CDs.
6. Contractor should submit Six (06) Sets hard copies of all drawings in A-2 size dully signed.
7. The work is to be complete as per the given schedule.
8. The contractor shall have made his own arrangements of T&P, Scaffolding as required at site for the execution of work. Nothing extra shall be paid on this account.
9. All the repairs to the building/members required to be carried out by the agency at their own cost. Nothing extra shall be paid.
10. No T&P shall be issued to the firm by the department.
11. Necessary recoveries shall be made from the bill.
12. The successful bidder shall deposit earnest money deposit @2.5% of the estimated cost which shall be refunded after successful completion of the work. The details for such deposit shall be given in due course of time to the successful bidder. In case of non-completion of work, the EMD shall be forfeited.

Enclosure: 1. Schedule of work and delivery schedule.

Anwar
14/2/25
Chief Project Officer

Copy to: -

- Registrar, DTU
- Sr. Account Officer-I, DTU
- J.E. (Civil)
- DTU website
- Notice Board
- Guard File.

Rajani
14/2/2025
Executive Engineer

Schedule of Work

Name of Work: - Consultancy Services, conational assessment and suggesting measure for building structure at DTU East campus.

S. No.	Description of Item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
Stage A					
1	Site visit to assess the Structural safety of the existing building by visual inspection & taking photograph of critical structural element such as Columns and Beams. Structural survey of the existing building by Rapid visual screening as per IS 13935:2009 and IS15988:2013 & taking photograph of critical structural distress points if any. Taking out measurement of existing structural member like column sizes, beam sizes, etc. and also marking the damaged and affected members on drawings as well and marking of testing location for NDT	1 job	Job	per job	35,000.00
Stage B					
2	Conditional survey of the buildings by Destructive / Non Destructive Test				
a)	Rebound hammer: To find out the compressive strength of concrete by using rebound hammer as per IS: 13311 (Part 2) – 1992.	25	Nos.	500.00	12,500.00
b)	Concrete core Test: Drilling out and testing of concrete core for evaluation of the compressive strength of concrete.	6	Nos.	6500.00	39,000.00
c)	UPV test (Ultrasonic Pulse Velocity test): Ultrasonic scanning to evaluate homogeneity and integrity of concrete.	25	Nos.	650.00	16,250.00
d)	Half-Cell Potential Test: To assess the severity of steel corrosion is to measure the corrosion.	6	Nos.	1,600.00	9,600.00
e)	Ph. value (to check alkalinity of concrete) as per relevant B.S. 5328, ACI 201.2R-92 and ACI-318-99, IS 456:2000, BS 8110	6	Nos.	600.00	3,600.00
f)	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m center to center, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challis, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The payment will be made once irrespective of duration of scaffolding.	1	Job	L. S.	37,500.00

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EE/DTU

g)	Carbonation Test: Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar	6	Nos.	600.00	3,600.00
h)	Water Soluble Chloride Content % (by mass of concrete) to check the risk of corrosion due to present chloride % as per IS: 14959 (Part 2) – 2001, B.S. 5328 Part 1, ACI 201. 2R-92, BS 1881 Part 124:1988, BS 8110, IS 456:2000	6	Nos.	1,500.00	9,000.00
i)	Cover meter Test	6	Nos.	400.00	2,400.00
j)	Submission of NDT report in duplicate copy	1	Job	L. S.	10,000.00
k)	Preparation of BOQ, preparation of detailed estimate with DSR/Market rate. Analysis of rates of market rate items.	1	Job	L S	60,000.00
l)	Preparation of structural drawings for remediation or retrofitting.	1	Job	L. S.	70,000.00
m)	Site Visits during execution and coordination meetings	1	Job	L.S	90,000.00
Total Amount (Rs.)					3,98,450.00
Add: - GST @ 18.00%					71,721.00
Grand Total Cost (Rs.)					4,70,171.00
(Rupees in Word: - Rupees Four Lakh Seventy Thousand One Hundred Seventy-One Only)					

A Ravi
J.E. (Civil)

A. Ravi
A.E. (Civil) 14/02/25

P. Rajan
E.E.

Payment Delivery Schedule

Payment Schedule in terms of the Scope of Work and Deliverable given would be as under: -

S. No.	Payment Stage	Percentage (%) of Fee Payable	Time Allowed the date from issue of the work order
1.	Item no.- 01 Site visit to assess the Structural safety of the existing building, Taking out measurement of existing structural member like column sizes, beam sizes, etc. and also marking the damaged and affected members on drawings as well and Marking of testing location for NDT	15%	10 days
2.	Item no.- 02 (a to i) Conditional survey of the buildings by Destructive / Non Destructive Test.	35%	20 days
3.	Item no.- 03 (j to k) Preparation of BOQ, preparation of detailed estimate with DSR/ Market rate. Analysis of rates of market rate items. Preparation of structural drawings for remediation or retrofitting.	40%	30 days
4.	Item no.- 04 (l) Site Visits during execution and coordination meetings	10%	On completion of the work execution at site

Abhishek
JECG

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ASU

Rajiv
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